

IN THE CLAIMS

This listing of the claims will replace all prior versions and listings of claims in the application:

1-29. (Canceled)

30. (New) A method for stimulating tyrosine kinase activity of a receptor that binds VEGF-2 in a cell, comprising contacting a cell with a polypeptide comprising an amino acid sequence at least 95% identical to the amino acid sequence of residues 23 to 419 of SEQ ID NO:2 in an amount effective to stimulate tyrosine phosphorylation of said kinase receptor.

31. (New) A method for stimulating tyrosine kinase activity of a receptor that binds VEGF-2 in a cell, comprising contacting a cell with a polypeptide comprising an amino acid sequence at least 95% identical to the amino acid sequence of SEQ ID NO:2 in an amount effective to stimulate tyrosine phosphorylation of said kinase receptor.

32. (New) A method for promoting growth of endothelial cells that express a tyrosine receptor that binds VEGF-2, comprising contacting the cells with a polypeptide comprising an amino acid sequence at least 95% identical to the amino acid sequence of residues 23 to 419 of SEQ ID NO:2 in an amount effective to promote the growth of the endothelial cells.

33. (New) A method for promoting growth of endothelial cells that express a tyrosine receptor that binds VEGF-2, comprising contacting the cells with a polypeptide comprising an amino acid sequence at least 95% identical to the amino acid sequence of SEQ ID NO:2 in an amount effective to promote the growth of the endothelial cells.

34. (New) A method for stimulating tyrosine kinase activity of a receptor that binds VEGF-2 in a cell, comprising contacting a cell with a polypeptide comprising an amino acid sequence encoded by the cDNA contained in ATCC Deposit No. 97149, minus the

leader sequence, in an amount effective to stimulate tyrosine phosphorylation of said kinase receptor.

35. (New) A method for stimulating tyrosine kinase activity of a receptor that binds VEGF-2 in a cell, comprising contacting a cell with a polypeptide comprising an amino acid sequence encoded by the cDNA contained in ATCC Deposit No. 97149 in an amount effective to stimulate tyrosine phosphorylation of said kinase receptor.

36. (New) A method for promoting growth of endothelial cells that express a tyrosine receptor that binds VEGF-2, comprising contacting the cells with a polypeptide comprising an amino acid sequence encoded by the cDNA contained in ATCC Deposit No. 97149, minus the leader sequence, in an amount effective to promote the growth of the endothelial cells.

37. (New) A method for promoting growth of endothelial cells that express a tyrosine receptor that binds VEGF-2, comprising contacting the cells with a polypeptide comprising an amino acid sequence encoded by the cDNA contained in ATCC Deposit No. 97149 in an amount effective to promote the growth of the endothelial cells.